



U.S. PATENT AND TRADEMARK OFFICE

Form PTO-1595

U.S. Department of Commerce

RECORDATION FORM COVER SHEET - PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1 Name of conveying party(ies): a) <u>D.F. Ault</u> b) <u>E.S. Bender</u> c) <u>J.K. Franks</u> d) <u>J.A. Helmbold</u> e) _____ f) _____ More names attached? <u>Y</u> <u>X</u> <u>N</u>		2 Name and address of receiving party(ies): Name: <u>INTERNATIONAL BUSINESS</u> Internal Address: <u>MACHINES CORPORATION</u> <u>Armonk, New York 10504</u> More names attached? <u>Y</u> <u>X</u> <u>N</u>	
3 Nature of Conveyance: <u>X</u> Assignment Filed with new application: <u>yes</u> <u>X</u> <u>no</u> Execution date(s): a) <u>01/27/94</u> b) <u>01/27/94</u> c) <u>01/27/94</u> d) <u>01/27/94</u> e) _____ f) _____ Additional numbers attached? <u>Y</u> <u>X</u> <u>N</u>		RECEIVED 94 FEB 28 PM 1:30 ASSIGNMENT BRANCH	
4 Name and address of party to whom correspondence concerning document should be mailed: Name: <u>William A. Kinnaman</u> <u>IBM Corporation</u> <u>Intellectual Property Law, 31BA/058</u> <u>Neighborhood Road</u> <u>Kingston, New York 12401</u>			
5 Total # of applications and patents involved: <u>01</u>		6 Total fee (37 CFR 3.41): \$ <u>40.00</u> Charge to Deposit Account <u>09-0459</u> . A duplicate of this sheet is enclosed.	
DO NOT USE THIS SPACE			
7 Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. <div style="display: flex; justify-content: space-between;"><div>Louise M. Calamari</div><div><u>Louise M. Calamari</u> Signature</div><div>02/14/94 Date</div></div>			
Total # of pages comprising cover sheet: 03			

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09-0459 110 581

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Express Mail Label No. (if applicable): _____ Docket No.: KI9-94-001

REEL 6861 FRAME 29

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ASSIGNMENT

Whereas, we

Donald Fred Ault
County of Dutchess

of Hyde Park
and State of New York

Ernest Scott Bender
County of Ulster

of Saugerties
and State of New York

Jon Kevin Franks
County of Ulster

of Saugerties
and State of New York

John Arthur Helmbold
County of Ulster

of Kingston
and State of New York

have invented certain improvements in QUIESCE TERMINATION/
SUSPENSION IN A MULTITHREADED ENVIRONMENT
and executed a United States Patent Application therefor on
January 27, 1994 Jan 27 1994, JANUARY 27, 1994,
and JANUARY 27, 1994 under Serial #08/187,675.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a
corporation of New York, having a place of business at Armonk, New
York, 10504, (hereinafter called IBM), desires to acquire the entire
right, title and interest in the said application and invention, and to
any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby
acknowledged, we, the above named, hereby sell, assign and transfer
to IBM, its successors and assigns, the entire right, title and interest
in the said application and the invention therein disclosed for the
United States and foreign countries, and all rights of priority resulting
from the filing of said United States application, and we request the
Commissioner of Patents to issue any Letters Patent granted upon the
invention set forth in said application to IBM, its successors and
assigns; and we hereby agree that IBM may apply for foreign Letters
Patent on said invention and we will execute all papers necessary in
connection with the United States and foreign applications when called
upon to do so by IBM.

Signed and sealed

(1) at Kingston, N.Y.
on 1/27/94

Donald Fred Ault
Donald Fred Ault

(2) at Kingston, N.Y.
on 1/27/94

Ernest Scott Bender
Ernest Scott Bender

(3) at KINGSTON, N.Y.
on 1/27/94

Jon Kevin Franks
Jon Kevin Franks

(4) at KINGSTON, N.Y.
on 1/27/94

John Arthur Helmbold
John Arthur Helmbold

FILED 8-6-1 FILED 30

State of *New York*)
County of *Ulster*) ss.:

- (1) On this *27th* day of *January* 1994, before me personally came Donald Fred Ault to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari
Notary

State of *New York*)
County of *Ulster*) ss.:

LOUISE M. CALAMARI
NOTARY PUBLIC, State of New York
Qualified in Ulster County
Commission Expires *6-15-95*

- (2) On this *27th* day of *January* 1994, before me personally came Ernest Scott Bender to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari
Notary

State of *New York*)
County of *Ulster*) ss.:

LOUISE M. CALAMARI
NOTARY PUBLIC, State of New York
Qualified in Ulster County
Commission Expires *6-15-95*

- (3) On this *27th* day of *January* 1994, before me personally came Jon Kevin Franks to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari
Notary

State of *New York*)
County of *Ulster*) ss.:

LOUISE M. CALAMARI
NOTARY PUBLIC, State of New York
Qualified in Ulster County
Commission Expires *6-15-95*

- (4) On this *27th* day of *January* 1994, before me personally came John Arthur Helmbold to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari
Notary

LOUISE M. CALAMARI
NOTARY PUBLIC, State of New York
Qualified in Ulster County
Commission Expires *6-15-95*

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PATENT & TRADEMARK OFFICE

FEB 17 94

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FEB 16 1994
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<p>1. Name of conveying party(ies):</p> <p>a) <u>D.F. Ault</u></p> <p>b) <u>E.S. Bender</u></p> <p>c) <u>J.K. Franks</u></p> <p>d) <u>J.A. Helmbold</u></p> <p>e) _____</p> <p>f) _____</p> <p>More names attached? <input type="checkbox"/> Y <input checked="" type="checkbox"/> X <input type="checkbox"/> N</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>INTERNATIONAL BUSINESS</u></p> <p>Internal Address: <u>MACHINES CORPORATION</u></p> <p style="text-align: right;"><u>Armonk, New York 10504</u></p> <p>More names attached? <input type="checkbox"/> Y <input checked="" type="checkbox"/> X <input type="checkbox"/> N</p>
<p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment Application number: <u>08/187,675</u></p> <p>Filed with new application: <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>Execution date(s):</p> <p>a) <u>01/27/94</u> _____</p> <p>b) <u>01/27/94</u> _____</p> <p>c) <u>01/27/94</u> _____</p> <p>d) <u>01/27/94</u> _____</p> <p>e) _____</p> <p>f) _____</p> <p style="text-align: center;">Additional numbers attached? <input type="checkbox"/> Y <input checked="" type="checkbox"/> X <input type="checkbox"/> N</p>	
<p>4. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>William A. Kinnaman</u></p> <p><u>IBM Corporation</u></p> <p><u>Intellectual Property Law, 31BA/058</u></p> <p><u>Neighborhood Road</u></p> <p><u>Kingston, New York 12401</u></p>	<p>5. Total # of applications and patents involved: <u>01</u></p> <p>6. Total fee (37 CFR 3.41):</p> <p><u>\$ 40.00</u> Charge to</p> <p><u>Deposit Account 09-0459. A</u></p> <p><u>duplicate of this sheet</u></p> <p><u>is enclosed.</u></p>
<p>DO NOT USE THIS SPACE</p>	
<p>7. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p style="text-align: center;"> <u>Louise M. Calamari</u> <u>Louise M. Calamari</u> <u>02/14/94</u> Louise M. Calamari Signature Date </p>	
<p>Total # of pages comprising cover sheet: <u>03</u></p>	

Express Mail Label No. (if applicable): _____

Docket No.: KI9-94-001

ASSIGNMENT

Whereas, we

Donald Fred Ault County of Dutchess	of Hyde Park and State of New York
Ernest Scott Bender County of Ulster	of Saugerties and State of New York
Jon Kevin Franks County of Ulster	of Saugerties and State of New York
John Arthur Helmbold County of Ulster	of Kingston and State of New York

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corporation of New York, having a place of business at Armonk, New
York, 10504, (hereinafter called IBM), desires to acquire the entire
right, title and interest in the said application and invention, and to
any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby
acknowledged, we, the above named, hereby sell, assign and transfer
to IBM, its successors and assigns, the entire right, title and interest
in the said application and the invention therein disclosed for the
United States and foreign countries, and all rights of priority resulting
from the filing of said United States application, and we request the
Commissioner of Patents to issue any Letters Patent granted upon the
invention set forth in said application to IBM, its successors and
assigns; and we hereby agree that IBM may apply for foreign Letters
Patent on said invention and we will execute all papers necessary in
connection with the United States and foreign applications when called
upon to do so by IBM.

Signed and sealed

- (1) at Kingston, N.Y.
on 1/27/94
- (2) at Kingston, N.Y.
on 1/27/94
- (3) at KINGSTON, N.Y.
on 1/27/94
- (4) at KINGSTON, N.Y.
on 1/27/94

Donald Fred Ault
Donald Fred Ault

Ernest Scott Bender
Ernest Scott Bender

Jon Kevin Franks
Jon Kevin Franks

John Arthur Helmbold
John Arthur Helmbold

State of New York)
County of Ulster) ss.:

- (1) On this 27th day of January 1994, before me personally came Donald Fred Ault to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari
Notary

State of New York)
County of Ulster) ss.:

LOUISE M. CALAMARI
NOTARY PUBLIC, State of New York
Qualified in Ulster County
Commission Expires 6-15-95

- (2) On this 27th day of January 1994, before me personally came Ernest Scott Bender to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari
Notary

State of New York)
County of Ulster) ss.:

LOUISE M. CALAMARI
NOTARY PUBLIC, State of New York
Qualified in Ulster County
Commission Expires 6-15-95

- (3) On this 27th day of January 1994, before me personally came Jon Kevin Franks to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari
Notary

State of New York)
County of Ulster) ss.:

LOUISE M. CALAMARI
NOTARY PUBLIC, State of New York
Qualified in Ulster County
Commission Expires 6-15-95

- (4) On this 27th day of January 1994, before me personally came John Arthur Helmbold to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari
Notary

LOUISE M. CALAMARI
NOTARY PUBLIC, State of New York
Qualified in Ulster County
Commission Expires 6-15-95



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APR 1 10 59 AM '94

DATE: 03/15/94
TO:

N05A

WILLIAM A. KINNAMAN
IBM CORPORATION
INTELLECTUAL PROPERTY LAW, 31BA/058
NEIGHBORHOOD ROAD
KINGSTON, NY 12401

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR: DOC DATE: 01/27/94
AULT, DONALD F.

ASSIGNOR: DOC DATE: 01/27/94
BENDER, ERNEST S.

ASSIGNOR: DOC DATE: 01/27/94
FRANKS, JON K.

ASSIGNOR: DOC DATE: 01/27/94
HELMBOLD, JOHN A.

RECORDATION DATE: 02/17/94 NUMBER OF PAGES 003 REEL/FRAME 6861/0629

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:
INTERNATIONAL BUSINESS MACHINES CORPORATION
ARMONK, NY 10504

SERIAL NUMBER 8-187675 FILING DATE 01/27/94
PATENT NUMBER ISSUE DATE 00/00/00

Keith Boode
EXAMINER/PARALEGAL

ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION